

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A control system, comprising:
an automation device operably connected to a network;
a network device operably connected to the network; and,
a customized an application program for the automation device stored in the network device, wherein the customized application program controls the automation device, and wherein the customized application program is selected by the network device in response to an application program request message received at the network device and sent from the automation device, as part of a bootstrap protocol the application program request message being responsive to a network address associated with the automation device, and wherein the customized application program is downloaded to the automation device at a boot time of the automation device.
2. (currently amended) The control system of claim 1 wherein the customized application program comprises an executive code and a user code.
3. (currently amended) The control system of claim 2 wherein the ~~user code is selected in response to the network address of the automation device and the~~ executive code is selected in response to the user code selected.
4. (original) The control system of claim 1 wherein the automation device is a programmable logic controller.
5. (original) The control system of claim 1 wherein the network device is a server.
6. (previously amended) The control system of claim 5 wherein the server has a TCP/IP protocol stack.
7. (original) The control system of claim 1 wherein the network is Internet.
8. (original) The control system of claim 1 wherein the network is Ethernet.
9. (original) The control system of claim 1 wherein the network is Profibus.
10. (original) The control system of claim 1 wherein the network is ControlNet.
11. (original) The control system of claim 1 wherein the network is Modbus+.

12. (currently amended) A method of operating a control system on a network comprising the steps of:

providing a network device for storing ~~an~~ a customized application program to be executed on an automation device;

transmitting a message for requesting a network address for the automation device;

transmitting a message for requesting ~~an~~ the customized application program for the automation device; as part of a bootstrap protocol~~the message for requesting an application program being responsive to the message for requesting the network address;~~

selecting the customized application program in response to the message for requesting the customized application program;

transmitting the customized application program to the automation device; and,

installing the customized application program on the automation device at a boot time of the automation device.

13. (currently amended) The method of claim 12 further comprising the step of executing the customized application program on the automation device.

14. (currently amended) The method of claim 12 wherein the step of selecting ~~an~~ the customized application program in response to the request for the customized application program comprises the steps of:

identifying the message for requesting the customized application program;

selecting a user application program in response to the message requesting the customized application program; and,

selecting an executive program in response to the user application program selected.

15. (currently amended) The method of claim 12, wherein the customized application program further comprises:

an executive program code for the automation device; and,

a user program code for the automation device, the user program is selected in response to the message requesting the customized application program.

16. (currently amended) The method of claim 15 wherein the executive program code is customized in response to the message requesting the customized application program to meet the minimum requirements for executing the customized application program.

17. (currently amended) A network control system, comprising:
means for operably connecting a network device to the network control system, the network device stores ~~an~~ a customized application program for controlling an automation device;
means for transmitting a message requesting a network address;
means for transmitting a message requesting ~~an~~ the customized application program as part of a bootstrap protocol ~~the message for requesting an application program being responsive to the message requesting the network address;~~
means for selecting the customized application program in response to the message requesting the customized application program;
means for transmitting the a customized application program to the automation device;
and,
means for installing the customized application program at a boot time of the automation device.

18. (canceled)

19. (original) The network control system of claim 17 wherein the automation device is a controller.

20. (original) The network control system of claim 17 wherein the network device is a server.

21. (currently amended) A method of operating a control system on a network comprising the steps of:

providing a network device for storing ~~an~~ a customized application program to be executed on an automation device;
requesting a network address for the automation device;
requesting the customized application program ~~in response to the network address~~ as part of a bootstrap protocol;
selecting the customized application program ~~in response to the request for the network address~~;
transmitting the customized application program to the automation device; and,
installing the customized application program on the automation device at a time of the automation device.

22. (canceled)

23. (currently amended) The method of claim 22 ~~wherein the customizing the application program~~ further comprises:

selecting a user code for the customized application program; and,
selecting an executive code for the customized application program.